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Pages: 413

Re: IDS for Application 10/781580

Please find attached IDS forms and references for Application Number 10/781580 filed 02/18/2004.

Attorney Deocket #112003.P002

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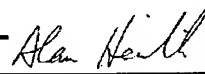
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/781580	RECEIVED CENTRAL FAX CENTER APR 22 2004 OFFICIAL
	Filing Date	02/18/04	
	First Named Inventor	Russell T. Nakano	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	412	Attorney Docket Number	112003.P002

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Remarks Page 1 - this page. Pages 2 - 6 Information Disclosure Statement Pages 7 - 412 IDS References		
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Application Number	10/781580
Filing Date	02/18/04
First Named Inventor	Russell T. Nakano
Art Unit	
Examiner Name	
Attorney Docket Number	112003.P002

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		Robert BEARD, "Lexical morpheme hypothesis," in < http://www.facstaff.bucknell.edu/rbeard/wrdsyn.html >, Bucknell University, Lewisburg PA	
		Phillip CLARKSON and Ronald ROSENFELD, "STATISTICAL LANGUAGE MODELING USING THE CMU-CAMBRIDGE TOOLKIT," EuroSpeech97, Cambridge UK	
		Philip R. COHEN and Hector J. LEVESQUE, "Performatives in a Rationally Based Speech Act Theory", In Meeting of the Association for Computational Linguistics, 1990, pp. 79-8, < citeseer.nj.nec.com/cohen90performatives.html >	
		Claire CARDIE, "Course: Natural Language Processing," Spring 2004, Cornell University, Ithaca, New York	
		Claire CARDIE, "Course: Natural Language Processing: Lecture Notes and Reading," Spring 2004, Cornell University, Ithaca, New York	
		Christopher D. MANNING and Hinrich SCHUETZE, Foundations of statistical natural language processing, The MIT Press, Cambridge, MA, 2001, p. 83. Also see < http://www.cs.cornell.edu/courses/cs674/2004sp/materials/lexical-semantic1-4up.pdf >	
		Scott DEERWESTER et.al, "Indexing by latent semantic analysis," J. Society for Information Science, 41(6), pp. 391-407, also available at http://lsi.research.telcordia.com/lsi/papers/JASIS90.pdf	
		Ronald FAGIN and Ravi KUMAR and D. SIVAKUMAR, "Efficient similarity search and classification via rank aggregation", IBM Almaden Research Center, San Jose, 2003, < http://citeseer.nj.nec.com/fagin03efficient.html >	
		Piotr INDYK and Rajeev MOTWANI, "Approximate nearest neighbors: towards removing the curse of dimensionality", 1998, pp. 604-613, < http://citeseer.nj.nec.com/article/indyk98approximate.html >, Stanford University, Standord, CA	
		Arthur GINGRANDE, "Processing unstructured forms on the fly," KM World, February 2003, 12 (2), < http://www.kmworld.com/publications/magazine/index.cfm?action=readarticle&Article_ID=1433&Publication_ID=84 >	

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		Susan BLACKFORD, "LAPACK-Generalized Nonsymmetric Eigenproblems (GNEP)" .pdf at < http://www.netlib.org/lapack/lug/node35.html > 10-01-1999	
		E. ANDERSON et.al, LAPACK Users' Guide, 3rd edition, Society for Industrial and Applied Mathematics, Philadelphia, 1999, p. 18, 19, 21, "LAPACK-Nonsymmetric Eigenproblems (NEP)". pdf at < http://www.netlib.org/lapack/lug/node31.html > 10-01-1999	
		Susan BLACKFORD, "LAPACK-Singular Value Decomposition (SVD)" .pdf at < http://www.netlib.org/lapack/lug/node32.html > 10-01-1999	
		iParadigms, Inc., This online service looks for plagiarisms in student term papers. < http://www.plagiarism.org/solution.html > 1998	
		Saul SCHLEIMER, et.al. "Winnowing: local algorithms for document fingerprinting," SIGMOD June 9-12, 2003, < http://theory.stanford.edu/~aiken/publications/papers/sigmod03.pdf >. See also < http://www.cs.berkeley.edu/~aiken/moss.html >	
		Peter SMITHH, "Stylometric Analysis Using Discriminant Analysis: A Study of Sherlock Holmes Stories," New Directions in Humanities Computing, Joint International Conference of the Association for Literary and Linguistic Computing and the Association for Computers and the Humanities, ALLC/LACH 2002, University of Tübingen, July 24-28, 2002 < http://www.uni-tuebingen.de/cgi-bin/abs/abs7propid=27 >	
		Alex AIKEN, "A System for Detecting Software Plagiarism" at < http://www.cs.berkeley.edu/~aiken/moss.html > 1994	
		David YAROWSKY and Richard WICENTOWSKI, "Minimally supervised morphological analysis by multimodal alignment". In Proceedings of the 38th Meeting of the Association for Computational Linguistics (ISBN: 1-55860-731-5), pp. 207-216, 2000 < http://www.cs.swarthmore.edu/~richardw/pubs/acl2000.ps > Baltimore MD	
		Bill YERAZUNIS, "CRM114 -the Controllable Regex Mutilator," < http://crm114.sourceforge.net/ > 2002	
		Thomas K. LANDAUER and Darrell LAHAM, "Learning Human-like Knowledge by Singular Value Decomposition: A Progress Report" at < http://lsa.colorado.edu/papers/nips.pdf > 10-20-2003	

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		Michael W. BERRY, et al., "Computational Methods for Intelligent Information Access", 1995 by the Association for Computing Machinery, Inc. (ACM) at <http://www.supercomp.org/sc95/proceedings/473_MBER/SC95.PDF>	
		Zun ZHANG et al., "Face Recognition: Eigenface, Elastic Matching, and Neural Nets" PROCEEDINGS OF THE IEEE, VOL. 85, NO. 9, SEPTEMBER 1997 at <http://lcv.stat.fsu.edu/research/geometrical_representations_of_faces/PAPERS/survey_zhang.pdf>	
		Lillian LEE, "CS775: Statistical Natural Language Processing: Models and Methods" at <http://www.cs.cornell.edu/courses/cs775/2001sp/default.html> Cornell University, Ithaca, New York Spring 2001	
		Thomas MANDL "Implementation of Large Backpropagation Networks for Text Retrieval", MIT GmbH (ed.) (1999): Proceedings of the 3rd International DataAnalysis Symposium. pp. 19-22 at <http://www.uni-hildesheim.de/~mandl/Publikationen/MANDL_intl_user_meeting99.PDF>	
		Erica KLARREICH, "Bookish math: statistical tests are unraveling knotty literary mysteries," Science News, December 20 and 27, 2003, 164, also at <http://www.sciencenews.org/20031220/bob8.asp>	
		Christopher D. MANNING and Hinrich SCHUETZE, Foundations of statistical natural language processing, The MIT Press, Cambridge, MA, 2001, pp. 554-566 also at <http://www.stanford.edu/class/cs276a/handouts/fsnlp-svd.pdf>	
		Telcordia Technologies, Inc., "References to Papers on Latent Semantic Indexing Software (LSI)", 1997 at <http://lsi.research.telcordia.com/lsi/LSIpapers.html>	
		Aapo HYVARINEN, et al. "Independent Component Analysis", 2001, pp 125-143, John Wiley & Sons, Inc., New York, US, ISBN 0-47-40540-X	
		Christopher D. MANNING and Hinrich SCHUETZE, Foundations of Statistical Natural Language Processing, The MIT Press, Cambridge, MA, 2001, pp. 81-83 and pp 123-135	
		Jose BINONGO, "Who Wrote the 15th Book of Oz? An Application of Multivariate Analysis to Authorship Attribution", Chance, Spring 2003, pp 9-17, Vol 16, No. 2, Springer - American Statistical Association,	

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